

Amateur Radio Equipment

1996-1997

YAESU

...leading the way.SM



WRTC '96



HF Transceivers



FT-1000/D HF Transceiver

Judged "best overall" by top DX'ers worldwide, the FT-1000/D delivers optimum receiver performance and real "muscle" on transmit. With a front panel featuring two flywheel-weighted tuning knobs and two large displays, it's a perfect blend of ergonomics and electronics. Hear signals you've never heard before.

Features

- Frequency coverage:
RX: 100 kHz-30 MHz
TX: 160-10 m Amateur Bands
- RF Output Power Up to 200 Watts
- True Cross-band Dual Receive:
Two Large Tuning Knobs
- Front Panel RX Antenna Switch:
For Beverage or Loop
- Built-in Antenna Tuner w/32 Memories
- Direct Digital Synthesis (DDS)
- 100 Memory Channels: Independent
ATU and Mode/IF Filter Memory
- CW Spot and Two CW Key Jacks for
Maximum Convenience
- Dynamic Range: 108 dB
- Optional Digital Voice Recorder
(DVS-2): 16 Sec. each RX/TX

FT-1000MP HF All-Mode Transceiver

The FT-1000MP incorporates the front end design and dynamic range of the FT-1000/D and introduces Enhanced Digital Signal Processing (EDSP), a built-in Collins™ SSB Mechanical Filter for superior IF performance, and Direct Digital Synthesizers (DDS) to provide low noise and fine tuning steps. Unique Shuttle Jog™ Ring Tuning Knob enhances tuning flexibility, speed, and accuracy. As legendary as its namesake, JA1MP.

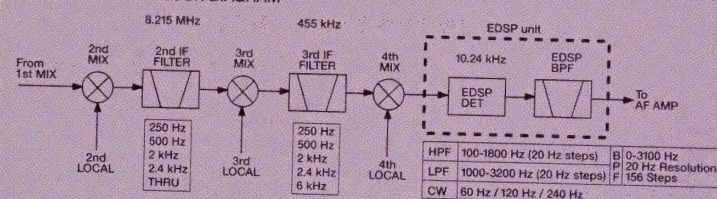
Features

- RX: 100 kHz-30 MHz
TX: 160-10 m Amateur Bands
- Enhanced Digital Signal Processing
- Shuttle Jog™ Tuning Enhancement
- Collins™ SSB Filter Built-in
- Directional Tuning Scale for CW/Digital Modes and Clarifier Offset Display
- Dual In-Band Receive w/Separate "S" Meters
- Selectable Antenna Jacks
- Selectable Cascaded IF Filtering
- User Programmable Tuning Steps
- Custom Feature Set-Up via New Menu System
- Adjustable for Output, 5-100 W (5-25 W AM)
- True Base Station:
100-117, 200-234 V AC and 13.5 V DC power inputs

ENHANCED
DIGITAL
SIGNAL
PROCESSOR

EDSP

IF FILTER & EDSP BLOCK DIAGRAM



EDSP™ operates in transmit and receive modes, producing enhanced signal-to-noise ratio and improved intelligence recovery on both ends of the communication path. EDSP provides 4 random-noise reduction settings, enhanced audio intelligibility with 4 voice response equalization programs, razor sharp CW band pass filters, and an automatic notch filter which identifies and attenuates carriers or heterodynes. Band pass selectable contour filtering offers high, mid and low cuts.



Hear signals you've never heard before.

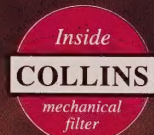
HF Transceivers

FT-990 HF Transceiver

A self-contained base station with space-saving, built-in AC power supply, the FT-990 is incredible on a crowded band. Only HF with dual digital SCAF, its plug-in board design and simple front panel provide pure QSO enjoyment.

Features

- Frequency coverage:
RX: 100 kHz-30 MHz
TX: 160-10 m Amateur Bands
- Built-in dual Digital Switched Capacitance Audio Filters (SCAF)
- Built-in High Speed Antenna Tuner w/39 Memories
- RF Frequency-Shift Speech Processor (FSP)
- Dual VFOs w/Direct Digital Synthesis (DDS)
- 90 Memory Channels store Frequency, Mode, and Bandwidth
- Band Stacking VFO System
- Full and Semi Break-in CW Operation
- Multi-mode Selection on Packet/RTTY; easy interface to TNCs
- Adjustable RF Power
- Variable Threshold Noise Blanker
- Optional Digital Voice Recorder (DVS-2)
- Front Panel RX Antenna Selection
- DC Version Available without Power Supply



FT-900/CAT Compact HF Transceiver

The first HF compact base station to go mobile in any vehicle. Its remote front panel design and unique Omni-Glow™ LCD display, plus performance and ease of operation in one small package, make this transceiver the right choice for you.

Features

- Frequency coverage
RX: 100 kHz-30 MHz
TX: 160-10 m Amateur Bands
- Built-in Auto Antenna Tuner
- Direct Keypad Entry when used as a Base Station
- Omni-Glow™ LCD Display
- 100 W on SSB, CW, FM modes; 25 W on AM
- IF Shift and 30 dB Notch Filter
- Digital S/RF, SWR, & ALC Meters
- Programmable CTCSS Encode w/Repeater Offset
- Direct Digital Synthesis (DDS)
- 100 Memory Channels
- CW Full Break-in Keying w/Adjustable Speed
- Fast/Slow AGC Circuit
- Intercept Point Optimization (IPO)
- Duct Flow Cooling System
- Twin Band Stacking VFOs
- Built-in Noise Blanker
- Built-in Adjustable Speech Processor
- Built-in SSB Collins™ Mechanical Filter



FT-840 Compact HF Transceiver

A wealth of features and high-tech performance in the field or mobile. This HF won't break your budget! With its bright LCD display, die-cast heat sink and internal thermally switched fan, you'll take this perfect companion with you everywhere.

Features

- Frequency coverage:
RX: 100 kHz-30 MHz
TX: 160-10 m Amateur Bands
- Direct Digital Synthesis (DDS)
- IF Shift
- 100 Memory Channels (Independent TX/RX per memory)
- Twin Band Stacking VFOs
- FM Repeater Operation
- Automatic 10-Meter Repeater Offset w/Selectable CTCSS Encode
- CW Reverse Feature
- Choice of Two Optional Antenna Tuners:
FC-10 Matching External Antenna Tuner
FC-800 External Remote Antenna Tuner



FT-600 Compact HF Transceiver

The FT-600 combines the straightforward, practical layout of a commercial radio with the most-often-used features on the front panel. The simplicity of the front panel design includes two Up/Down buttons for frequency, memory, and band stepping, while four knobs control Clarifier, Volume, Squelch, and Tuning. Popular features include Direct Frequency Entry Keypad for quick QSY. 100 Watts Power Output—the benchmark for amateur HF operation. And, MIL-STD 810—to meet rugged commercial-grade construction standards.

Features

- Frequency Coverage
RX: 50 kHz-30 MHz
TX: 160-10 m Amateur Bands Only
- Direct Digital Synthesis (DDS)
- 100 Memory Channels (in 4 banks of 25)
- Direct Keypad Frequency Entry
- Alpha-Numeric Display
- Front Mounted Speaker w/High Audio Output
- MIL-STD 810 Rating
- Dual Watch
- Selectable Noise Blanker
- Omni-Glow™ Display



Features

- Frequency coverage:
2 m: 144-148 MHz
70 cm: 430-450 MHz
- 100 Memory Channels
- Full Cross-band Duplex with Inverted Tracking for transponders of satellite
- Easy Interface to TNC via Data In/Out Jack
- Independent Linear Amplifier Relay Control Lines (Each Band)
- Optional modules for 50-54 MHz, 222-225 MHz and 1240-1300 MHz
- RF Output Power:
25 Watts on 144, 222, 430 MHz
10 Watts on 50 and 1240 MHz

FT-736R Multi-Mode VHF/UHF Full Duplex Base

Designed to meet the needs of the most demanding VHF/UHF and satellite operators, the FT-736R includes 144 and 430 MHz, and optional user-select 50, 220 or 1240 MHz modules. The FT-736R can be powered from 13.8 VDC or its built-in AC power supply.

Mobile Transceivers

FT-8500 Dual Band Mobile

This top-of-the-line, compact FM mobile includes extraordinary new features. Like Spectra-Analyzer™ to view station activity above and below a frequency, or within memory banks. And customize your radio by choosing the FS-10 Smart Controller™ Microphone or the MH-39 DTMF Microphone. The next generation is here!

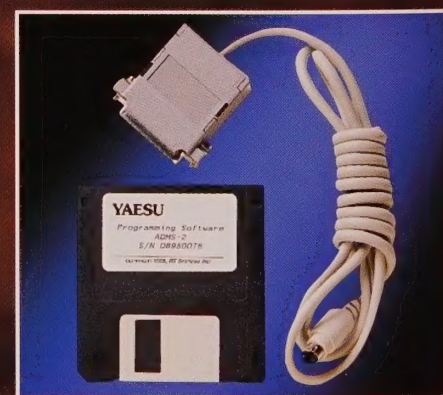
Features

- Frequency coverage:
2 m: RX: 110-174 MHz
TX: 144-148 MHz
70 cm: RX: 410-500 MHz
TX: 430-450 MHz
- Built-in Spectra-Analyzer™
- 6-Character Alpha-Numeric Display
- 110 Memories (in 5 memory banks)
- Omni-Glow™ Display
- Digital Battery Voltage Display
- Dedicated Packet I/O Jack (1200/9600 baud)
- 3-Level Auto-Mute with Mute Timer
- AM Aircraft Receive (110-136 MHz)
- V+V, U+U, or V+U Dual Receive
- 3 Selectable Power Output Levels
2 m: 50/10/5 W
70 cm: 35/10/5 W
- Auto Power Off (APO) and Time-Out Timer (TOT)
- 10-Memory DTMF Autodialer
- Cloning Feature
- 5 Scanning Modes including new Clear Scan
- Selectable Scanning Speed
- Cross-band and One-way Repeat
- Dual Speaker Jacks
- Easy-to Understand Feature Menu



FS-10 Smart Controller™ Microphone

Use the Joystick-type lever, or a variety of buttons and keys placed on each side of the microphone to access functions and features.



ADMS-2Windows™ Programming Software for FT-8500

Easy to install software permits assignment of frequencies, repeaters, and Alpha-Numeric labels from your computer. Simple to use "how to" instructions are included.

FT-8000R Compact Dual Band Mobile

Continuing Yaesu's leading edge engineering philosophy, the FT-8000R Compact Dual Band Mobile introduces industry-first features and no-nonsense operation for today's demanding Amateur. No puzzling key combinations on the FT-8000R; eight clearly marked keys and Yaesu's exclusive Omni-Glow™ display make operation a snap. Want to change bands? Just push the VHF or UHF Volume control!

Features

- Frequency Coverage
RX: 110-550 MHz
750-1300 MHz*
TX: 144-148 MHz
430-450 MHz
- 3 Power Output Levels
2m 50/10/5 Watt
70cm 35/10/5 Watt
- 110 Memory Channels
(55 per band, including "Home" channels)
- Enhanced Smart Search™
- CTCSS Encode
- Time-Out Timer (TOT)
- S-Meter Squelch
- Dual Receive (V+V,U+U,V+U)
- Crossband Repeat
(bidirectional or one-way)
- PC Programmable w/optional ADMS-2C
- Intelligent Band Display (IBD)
- Receiver Muting
- Auto Power Off (APO)
- MIL-STD 810 Rating
- Omni-Glow™ Display
- 1200/9600 bps Packet Compatible
- Alternating-Band Memory Selection (ABMS)
- DTMF Autodialer (one memory per band)
- Accessories

* Cellular blocked.



FT-5100 Dual Band Mobile

Compact with a built-in antenna duplexer the FT-5100 defined "dual band" with two, 2-meter RX frequencies or two UHF frequencies. The FT-5100 is a small, light-weight dual-band that comes with its own backlit DTMF Mic. A formula that's hard to beat!

Features

- Frequency coverage
2m: RX : 130-174 MHz
TX : 144-148 MHz
70 cm: RX/TX : 430-450 MHz
- 94 Memory Channels (47 per Band), Odd Splits on Any Memory
- Dual In-Band Receive (V/V, U/U or V/U Receive Operation)
- DTMF Paging and Coded Squelch
- Packet Radio TNC Jack Built-in to Back of Radio
- CTCSS Encode Built-in (Decode Optional)
- Dual Receive with Balance Control
- Full Duplex Cross Band Operation
- Built-in Cross Band Repeat
- Built-in Antenna Duplexer
- Backlit DTMF Mic
- Automatic 8 Level Display Dimmer
- RF Output Power:
2 m: 50/5 Watts (high/low)
70 cm: 35/5 Watts (high/low)



Mobile Transceivers

FT-3000M High Powered 2-m FM Mobile

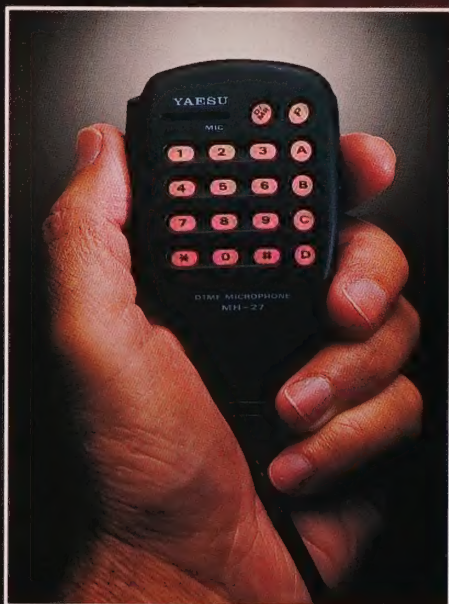
You know who you are. You drive farther, use your mobile rig longer, and buy the most dependable radio products you can get. The FT-3000M is the only amateur 2-m FM mobile radio with 70 full watts of TX power! Reassuring, when you're driving a lonely stretch of highway!

Like the 50-Watt FT-2500M, the FT-3000M is rated MIL-STD 810. And, both let you take the back roads with confidence. Built to resist jolts, bumps and the corrosive affects of dust, mist, and rain, the new FT-3000M, and popular FT-2500M take abuse and perform like champs. Plus, the FT-3000M is a great base, too.

Features

- Frequency Coverage
Wide Band Receive
RX: 110-180 MHz
300-520 MHz
800-999 MHz*
- TX: 144-148 MHz
- AM Aircraft Receive
- MIL-STD 810 Rating
- Interactive Programming
- High Power Output:
70 Watts, Plus 50, 25 and 10 Watts
- Quick-Touch™ Dual Concentric Control Knob
- Twin Cooling Fans
- ADMS-2B Windows™ Programmable
- Digital Coded Squelch (DCS)
- 81 Memory Channels
- Auto Range Transpond System™ (ARTS™)
- 1200/9600 Baud Packet Compatible
- Smart-Search™
- Alpha-Numeric Display
- Dual Watch

* Cellular blocked.



Backlit DTMF Microphone

Exclusive to Yaesu, this backlit mic helps to insure safe autopatch operation in dim light and during night-time use. Designed for ease of use, the large keypad is invaluable. May be purchased separately. See Yaesu Amateur Products Accessories and Options Brochure for exact model number fitting your mobile.

Remote Control Wireless Mic MW-2 (FT-5100)

No tangled cords to worry about, just step away from your mobile rig and talk. Perfect for "backseat" drivers or navigators. Available as an accessory.



FT-2500M/7400H 2-M/70-cm Mobiles

Nothing is tougher than the FT-2500M (and FT-7400H) when rough and rugged mobiles are needed. Huge LCD Display and backlit DTMF Mic make night-time operation safer. The FT-2500M is the first 2-meter amateur radio to be awarded a MIL-STD 810 rating for shock and vibration. Performance and strength for mobile or base station operation.

Features

- Frequency coverage:
FT-2500M RX : 140-174 MHz
TX : 144-148 MHz
FT-7400H RX/TX : 430-450 MHz
- 31 Memory Channels, Odd Splits On Any Memory
- Alpha-Numeric Display
- Advanced Track Tuning (ATT)
- Automatic Display Dimmer
- True FM Modulation
- Backlit DTMF Mic
- CTCSS Encode Built-in (Decode Optional)
- Five Scanning Functions
- 3 Selectable Output Power Levels
FT-2500M 50/20/5 Watts
FT-7400H 35/15/5 Watts



FT-290/690/790R II VHF/UHF Multi-Purpose Mobiles

Just sling it over your shoulder and go. To the top of the mountain or that remote campsite. True field operation performance for fun or serious emergency situations.

Features

- Frequency coverage:
FT-290R II RX/TX: 144-148 MHz
FT-690R II RX/TX: 50-54 MHz
FT-790R II RX/TX: 430-450 MHz
- RF Output Power:
FT-290R II 25 Watts (2 Watts Portable)
FT-690R II 10 Watts (2 Watts Portable)
FT-790R II 25 Watts (2 Watts Portable)
- All Mode Operation USB, LSB, CW, FM

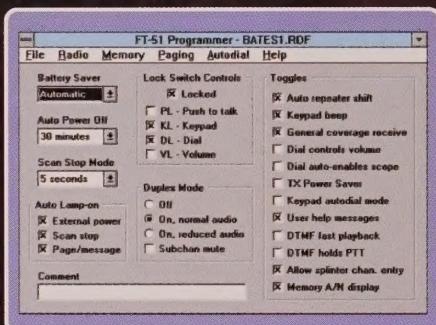


Handheld Transceivers

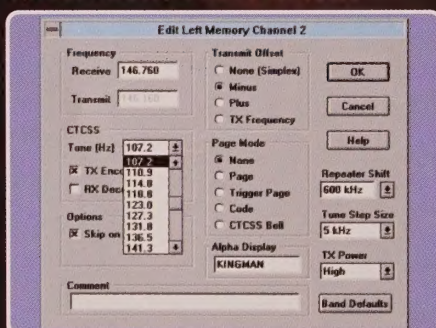
ADMS-1C

Windows™ Programming Software

Program all the features for FT-51R, FT-50R, FT-11/41R, FT-10/40 with ADMS-1C Windows™ Programming Software. Just "point and click," and easy programming of these HTs is yours. Use to download from HT to PC, then clone the information to another FT-51R, FT-50R, FT-11/41R, or FT-10/40R HT instantly! Create memory files for cities you visit then load and go! Affordable for everyone, ADMS-1C Windows™ Programming Software is a neat little package that will change your HT use forever.



Main Window — Use the Main Window to customize your handheld the way you like it. For example, the Auto Repeater Shift and Keypad Beep tone can be selected "on" or "off." When you are scanning, the Display Lamp can be programmed to light up when a Busy Channel is found.



Memory Channel Edit Window

Each Memory Channel has a detailed window. With a simple click of the mouse, you can program the following for each memory: Frequency, Alpha Name, Repeater Offset, CTCSS, Power Level, Channel Step Size and more!



ADMS-1C Windows™
Programming Software Kit

FT-51R Dual Band Handheld

The first dual band HT with scrolling instruction menu "windows"! Spectrascope™ too, for continuous real time activity scanning in VFO or 8 user-choice memories.

Features

- Frequency coverage:
2 m: RX: 110-180 MHz
TX: 144-148 MHz
70 cm: RX: 420-470 MHz
TX: 430-450 MHz
- 120 Memory Channels (80 w/Alpha-Numeric)
- Spectrascope™ LCD Display
- Scrolling User Help Menu
- 8 Character Alpha-Numeric Display
- Up/Down Volume/Squelch Controls & Display
- Selectable Sub-Band TX Mute
- Automatic Tone Search (ATS)
- Digital Battery Voltage Display
- AM Aircraft Receive
- Scanning Light System (SLS)
- Large Backlit Keypad & Display
- Automatic Repeater Shift (ARS)
- Multiple Scanning Modes
- 3 Selectable Scan Stop Modes with Scan Skip
- User Selectable Lock Function w/15 Combinations
- Automatic Power Off (APO)
- TX/RX Battery Savers Built-in
- Handy Cloning Feature
- 5 Selectable Power Output Levels
- Message System with CW ID
- Selectable RX Smart Mute™
- Cross-Band & One-Way Repeat Functions
- DTMF Paging/Coded Squelch Built-in
- 3 Dual Receive Configurations — VHF/VHF, UHF/UHF, & VHF/UHF



MH-29A2B Display Speaker Microphone
LCD Display microphone with remote functions for mobile operation. Use with FT-51R.

FT-50R

Ultra Compact Dual Band Handheld

For the foremost in top-performing, durable, dual band handhelds there is one choice. The FT-50R. Manufactured to rigid commercial grade standards, the FT-50R is the only amateur dual band HT to achieve a MIL-STD 810 rating. Water-resistant construction uses weather-proof gaskets to seal major internal components against the corrosive action of dust and moisture. And, the rugged FT-50R withstands shock and vibration, so throw it in with your gear!

Features

- Frequency coverage
Wide Band Receive
RX: 76-200 MHz, 300-540 MHz,
590-999 MHz*
- TX: 144-148 MHz,
430-450 MHz
- AM Aircraft Receive
- MIL-STD 810 Rating
- Digital Coded Squelch (DCS)
- 112 Memory Channels
- 12V DC Direct Input
- High Speed Scanning
- Alpha-Numeric Display
- CTCSS Encode (Decode w/FTT-12)
- Auto Range Transpond System™ (ARTS™)
- Dual Watch
- Direct FM
- High Audio Output
- ADMS-1C Windows™
Programmable
- Four Battery Savers:
Automatic Power-Off (APO)
Receive Battery Saver (RBS)
Selectable Power Output (SPO)
Transmit Battery Saver (TBS)
- Time Out Timer (TOT)
- 2.5 and 5 Watt Versions
Available
- Optional Digital Voice
Recording System (DVRS)



FT-10/40R

Ultra Compact Handhelds

Built to military spec commercial radio standards inside and out, the FT-10/40R is feature-packed, and available in two standard versions. Three keypad options offer more features, or additional memory channels. Four choices!

Features

- Frequency coverage:
FT-10R
2 m: RX: 140-174 MHz
TX: 144-148 MHz
FT-40R
70 cm: RX: 420-470 MHz
TX: 430-450 MHz
- Choice of 4 keypads
FTT-10/A16S
FTT-10/A16D
FTT-10/A16
FTT-10/A06
- Auto Range Transpond System™ (ARTS™)
- MIL-STD 810
- High Audio Output
- 12 V DC Direct Input
- Alpha-Numeric Display
- RX/TX Battery Savers
- Digital Coded Squelch (DCS)
- Digital Voice Recording System (DVRS)
w/FTT-10/A16S
- True FM for better voice clarity
- High Speed Scanning System
- 2.5 and 5 W available
- Full line of accessories

FTT-10/A16D

16-Key, CTCSS Enc/Dec,
DCS Enc/Dec, 99 Channels

Handheld Transceivers

FT-11/41R 2-m/70-cm Handhelds

World's smallest size HT with a full sized keypad. You'll wonder how we did it, till you remember Yaesu pioneered 2-way radio micro technology. It's full-featured and pencil thin with a 4.8 V battery for 1.5 watts on TX. Just punch up the exclusive backlit DTMF keypad and Volume/Squelch control, set the alpha-numeric display and start talking!

Features

- Frequency coverage:
FT-11R
2 m: RX: 110-180 MHz
TX: 144-148 MHz
FT-41R
70 cm: RX: 430-450 MHz
TX: 430-450 MHz

- Selectable Alpha-Numeric Display
- Compact Battery Design
4.8 V produces 1.5 Watts
9.6 V produces full 5 Watts
- 150 Memory Channels
(75 when Alpha-Numeric)
- AM "Aircraft" Receive (110-136 MHz)
- Small Size: 4"H x 2-1/4"W x 1"D
- Automatic Battery Saver (ABS)
- MOS FET Power Module
- Backlit DTMF Keypad and Display
- Backlit Up/Down Volume/Squelch Controls
- DTMF Paging/Coded Squelch
- Automatic Power Off (APO)



FT-411E/911 Compact FM Handhelds

For FM performance under strenuous climatic conditions, the FT-411E (and FT-911) stands up like the champ it is. Features and durability make this radio the choice of amateurs worldwide.

Features

- Frequency coverage:
FT-411E 2 m: RX: 140-174 MHz
TX: 144-148 MHz
FT-911 23 cm: RX/TX: 1240-1300 MHz
- 49 Memory Channels
- CTCSS Encode/Decode Built-in
- Built-in VOX
- Backlit Keypad and Display
- Automatic Power Off (APO)
- Programmable Battery Saver
- Multiple Scan Modes

FT-23/33R VHF/UHF FM Handhelds

Ultra compact and microprocessor controlled, these HTs offer the convenience of small size yet simple operation. Designed for years of rugged use, housing will withstand a standard EIA 1-meter drop test without a problem.

Features

- Frequency coverage:
FT-23R 2 m: RX: 144-148 MHz
TX: 144-148 MHz
FT-33R 1.25 m: RX/TX: 222-225 MHz
- 10 Memory Channels
- Simple Operation
- Multiple Scan Modes
- Rugged Die-cast Frame



FRG-100 Communications Receiver

Winning the prestigious 1992 World Radio TV Handbook award for "Best Communications Receiver" when introduced is reason enough to make the FRG-100 your receiver. And if that's not enough, consider its industry-exclusive features like adjustable SSB carrier offset and user selectable 10 Hz, 100 Hz or 1 kHz tuning steps. Or the exciting Broadcast Band mode with 16 pre-programmed international broadcast bands. Even 50 memory channels and twin 12/24-hour clocks to keep you tuned in where and when you like — day or night! Join the experts and make the FRG-100 your "best communications receiver," too.

Features

- Frequency coverage: 50 kHz-30 MHz
- 50 Memory Channels
- Twin 12/24-Hour Clocks
- User Selectable Bandwidths
- Alarm and Timer Functions
- Dual Antenna Jacks (Coax and Open Wire)

Accessories

- FM Unit-100:** FM Receiver Unit
TCXO-4: Temperature Compensated Crystal Oscillator
PA-11B: 117 V AC Adapter
PA-11C: 220 V AC Adapter
YF-110C: CW Filter (500 Hz)
YF-110CN: CW Narrow Filter (250 Hz)

Specifications

Frequency Range	50 kHz-30 MHz
Modes	USB, LSB, CW, AM, FM (optional)
Dimensions (W x H x D)	9 1/4 x 3 5/8 x 9 5/8 inches 238 x 93 x 243 mm



VHF/UHF REPEATERS

VXR-5000V
135-148 MHz 25 Watts

VXR-5000U
400-450 MHz 25 Watts

These compact synthesized DC-powered repeaters manufactured by Yaesu for their Vertex Radio Communications commercial product line are now available for amateur use. The repeaters can be wall mounted or installed in a standard 19" rack. (Optional mounting kit required.)

Specifications

Frequency coverage	135-148 MHz or 430-450 MHz
Power Output	2-25 Watts @ 100% duty cycle
Current Consumption	7.0 A @ 13.8 V DC
Frequency Stability	±2.0 ppm, -30°C to +60°C
Programmable Features	Frequency, CTCSS, Hi/Low Power levels, Hang timer, Time-out timer
Programming	Optional VX VPL-1 programming kit



Rotators

You're looking at the only rotators manufactured by a major amateur radio communication company.

Who better to determine the best specifications and durability for precision amateur radio performance under all circumstances? Smooth and quiet without noisy wedge brakes, these rotators are housed in weatherproof, die-cast aluminum enclosures permanently lubricated for maintenance-free operation and years of service.

Compatible with most U.S.A. made antenna tower accessory shelves, Yaesu rotators come with a One-Year Warranty.

Computer Controllers

Computer controllers for rotators now available. **GS-23** Computer Controller for Rotators: G-800SDX, G-1000SDX, G-2800SDX.

GS-232 Computer Controller for Satellite Rotator: G-5400B

Model	Application	Mast Size	Rotator Size	Pre-sets	Wind Load
G-450XL	Light/medium-duty	1 ³ / ₄ -2 inches	12 ¹ / ₂ "H x 7 ¹ / ₂ " Dia.	No	10 Sq. Ft.
G-800X	Medium-duty	1 ¹ / ₂ -2 ¹ / ₂ inches	12 ¹ / ₂ "H x 7 ¹ / ₂ " Dia.	No	17 Sq. Ft.
G-800SDX	Medium-duty	1 ¹ / ₂ -2 ¹ / ₂ inches	12 ¹ / ₂ "H x 7 ¹ / ₂ " Dia.	Yes	17 Sq. Ft.
G-1000SDX	Heavy-duty	1 ¹ / ₂ -2 ¹ / ₂ inches	12 ¹ / ₂ "H x 7 ¹ / ₂ " Dia.	Yes	23 Sq. Ft.
G-2800SDX	Extra Heavy-duty	1 ⁷ / ₈ -2 ¹ / ₂ inches	13 ⁵ / ₈ "H x 8" Dia.	Yes	34 Sq. Ft.
G-5400B	Azimuth-Elevation Rotator combination	1 ¹ / ₂ -2 ¹ / ₂ inches (Boom Dia. 1 ¹ / ₄ -1 ⁵ / ₈ in.)	Mounted together 12 ¹ / ₂ "H x 7 ¹ / ₂ " Dia.**	No	11 Sq. Ft.
G-500A	Elevation only	1 ¹ / ₂ -2 ¹ / ₂ inches (Boom Dia. 1 ¹ / ₄ -1 ⁵ / ₈ in.)	10 ¹ / ₂ "H x 7 ¹ / ₂ " Dia.	No	12 Sq. Ft.



G-2800SDX

The new top of the line rotator for extra heavy duty antenna installations. Maximum antenna wind load, 34 sq. ft.

Accessories:

GC-038 Mast Clamp, **GC-048** Mast Clamp, **GS-050** Thrust Bearing, **GS-065** Thrust Bearing, Not Shown: G-800S, G-800SDX, G-1000SDX.

* Wind load ratings are valid when rotator is mounted in tower.

** Rotator size mounted together.



G-450XL

A new entry-level rotator priced low, for light to medium duty antennas. Maximum antennas wind load, 10 sq. ft.

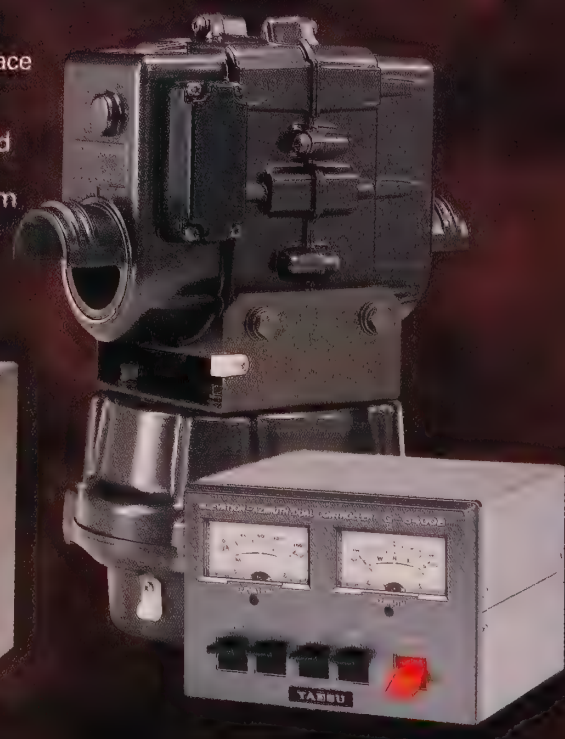
G-500A

Elevation rotator for space communication antennas. Maximum antenna wind load, 12 sq. ft.



G-5400B

Azimuth-Elevation combination for space communication antennas. DIN connection provided for computer operation. Maximum antenna wind load, 11 sq. ft.



SPECIFICATIONS

Model	Receive Frequency Range (U.S.)	Transmit Frequency Range (U.S.)	Mode	TX Power Output	Sensitivity	Dimensions in inches (in mm) W x H x D
FT-1000/D	100 kHz-30 MHz	160-10 m Amateur Bands	USB, LSB, CW, RTTY, PKT, AM, FM	200 Watts (AM: 50 W) Adjustable	SSB 0.25 μ V AM < 1 μ V FM < 0.5 μ V	16.8 x 6.0 x 15.0 (420 x 150 x 375)
FT-1000MP	100 kHz-30 MHz	160-10 m Amateur Bands	USB, LSB, CW, RTTY, PKT, AM, FM	200 Watts (AM: 25 W) Adjustable	SSB 0.25 μ V AM < 2 μ V FM < 0.5 μ V	16.4 x 5.4 x 13.9 (410 x 135 x 347)
FT-990	100 kHz-30 MHz	160-10 m Amateur Bands	USB, LSB, CW, RTTY, PKT, AM, FM	100 Watts (AM: 25 W) Adjustable	SSB 0.25 μ V AM < 1 μ V FM < 0.5 μ V	14.7 x 5.2 x 13.4 (368 x 129 x 335)
FT-900/CAT	100 kHz-30 MHz	160-10 m Amateur Bands	USB, LSB, CW, AM, FM, AFSK	100 Watts (AM: 25 W) Adjustable	SSB 0.25 μ V AM < 1 μ V FM < 0.5 μ V	9.5 x 3.7 x 10.1 (238 x 93 x 253)
FT-840	100 kHz-30 MHz	160-10 m Amateur Bands	USB, LSB, CW, AM, OPTIONAL FM	100 Watts (AM: 25 W) Adjustable	SSB 0.25 μ V AM < 1 μ V FM < 0.5 μ V	9.5 x 3.7 x 9.7 (238 x 93 x 243)
FT-600	50 kHz-30 MHz	160-10 m Amateur Bands	USB, LSB, CW, AM, AFSK	100 Watts (AM: 25 W) Adjustable	SSB 0.25 μ V AM 1 μ V	9.7 x 4.2 x 11.5 (244 x 104 x 286)
FT-736R	144-148 MHz 430-450 MHz	144-148 MHz 430-450 MHz	USB, LSB, CW, FM, PKT-1200	25 Watts Adjustable	SSB/CW: 0.18 μ V FM < 0.35 μ V	14.7 x 5.2 x 11.5 (368 x 129 x 286)
FT-8500	110-174 MHz 410-500 MHz	144-148 MHz 430-450 MHz	FM, PKT1200/9600, AM (RX)	2 m: 50/10/5 W 70 cm: 35/10/5 W	0.18 μ V (12 dB SINAD)	5.6 x 1.6 x 6.3 (140 x 40 x 160)
FT-8000R	110-550 MHz 750-1300 MHz*	144-148 MHz 430-450 MHz	FM, PKT1200/9600, AM (RX)	2 m: 50/10/3 W 70 cm: 35/10/3 W	< 0.18 μ V (Main) < 0.25 μ V (Sub) (12 dB SINAD)	5.6 x 1.6 x 6.1 (140 x 40 x 152)
FT-5100	140-174 MHz 430-450 MHz	144-148 MHz 430-450 MHz	FM, PKT1200/9600	2 m: 50/5 W 70 cm: 35/5 W	0.158 μ V (12 dB SINAD)	5.6 x 1.6 x 6.2 (140 x 40 x 155)
FT-3000M	110-180 MHz 300-520 MHz 800-999 MHz*	144-148 MHz	FM, PKT1200/9600, AM (RX)	2 m: 70/50/25/10 W	**< 0.20 μ V (Main) < 0.25 μ V (Sub) (12 dB SINAD)	5.5 x 1.6 x 7.1 (140 x 40 x 180)
FT-2500M	140-174 MHz	144-148 MHz	FM	2 m: 50/20/5 W	0.2 μ V (12 dB SINAD)	6.4 x 2.0 x 7.2 (160 x 50 x 180)
FT-7400H	430-450 MHz	430-450 MHz	FM	70 cm: 35/15/5 W	0.2 μ V (12 dB SINAD)	6.4 x 2.0 x 7.2 (160 x 50 x 180)
FT-290RII FT-690RII FT-790RII	144-148 MHz 50-54 MHz 430-450 MHz	144-148 MHz 50-54 MHz 430-450 MHz	USB, LSB, CW, FM	25 Watts 10 Watts 25 Watts	SSB/CW: 0.2 μ V FM 0.25 μ V	6.0 x 2.3 x 7.8 (150 x 57 x 194)
FT-51R	110-180 MHz 420-470 MHz	144-148 MHz 430-450 MHz	FM	5 Watts w/FNB-38 Battery	0.158 μ V (VHF) 0.18 μ V (UHF) (12 dB SINAD)***	WITH FNB-31 2.3 x 4.8 x 1.1 (56 x 119 x 28)
FT-50R	110-200 MHz 300-540 MHz 590-999 MHz*	144-148 MHz 430-450 MHz	FM, AM (RX)	5 Watts w/FNB-41 Battery	0.16 μ V (VHF) 0.18 μ V (UHF) (12 dB SINAD)	WITH FNB-40 2.2 x 3.9 x 1.2 (57 x 99 x 30)
FT-10R	140-174 MHz	144-148 MHz	FM, AM (RX)	5 Watts w/FNB-41 Battery	0.16 μ V (12 dB SINAD)	WITH FNB-40 2.2 x 3.9 x 1.2 (57 x 99 x 30)
FT-40R	420-470 MHz	430-450 MHz	FM	5 Watts w/FNB-41 Battery	0.18 μ V (12 dB SINAD)	WITH FNB-40 2.2 x 3.9 x 1.2 (57 x 99 x 30)
FT-11R	110-180 MHz	144-148 MHz	FM, AM (RX)	5 Watts w/FNB-33 Battery	0.158 μ V (12 dB SINAD)	WITH FNB-31 2.3 x 4.1 x 1.0 (57 x 102 x 25.5)
FT-41R	430-450 MHz	430-450 MHz	FM	4.5 Watts w/FNB-33 Battery	0.177 μ V (12 dB SINAD)	WITH FNB-31 2.3 x 4.1 x 1.0 (57 x 102 x 25.5)
FT-411E	140-174 MHz	144-148 MHz	FM	5 Watts w/FNB-12 Battery	0.158 μ V (12 dB SINAD)	WITH FNB-17 2.2 x 5.0 x 1.3 (55 x 126 x 32)
FT-911	1240-1300 MHz	1240-1300 MHz	FM	1 Watt	0.2 μ V (12 dB SINAD)	WITH FNB-17 2.2 x 5.0 x 1.3 (55 x 126 x 32)
FT-23R	144-148 MHz	144-148 MHz	FM	5 Watts w/FNB-12 Battery	0.25 μ V (12 dB SINAD)	WITH FNB-17 2.2 x 5.0 x 1.3 (55 x 126 x 32)
FT-33R	220-225 MHz	222-225 MHz	FM	5 Watts w/FNB-12 Battery	0.2 μ V (12 dB SINAD)	WITH FNB-17 2.2 x 5.0 x 1.3 (55 x 126 x 32)

*800 MHz cellular blocked, non-restorable 824-849 MHz and 869-894 MHz reception not available.

0.55 μ V (902-928 MHz) *0.3 μ V (902-928 MHz)

ACCESSORIES & OPTIONS

MODEL NO. DESCRIPTION

FT-1000/D

BPF-1	Dual BPF for Cross Band Service (Built-in FT-1000D)
DVS-2	Digital Voice Recording Module
E-767	Interface Cable FT-1000 to FL-7000 (D400019)
LL-5	Phone Patch Module Unit (SP-5/6 Speakers only)
MD-100A8X	Desk-Top Microphone
SP-5	External Desk-Top Speaker w/Audio Filters
TCXO-1	Temperature Compensated XTAL Osc. (Built-in FT-1000D) - ± 0.5 ppm
XF-C	455 kHz SSB 2.4 kHz XTAL Filter (Built-in FT-1000D)
XF-110SN	455 kHz SSB 2.0 kHz XTAL Filter (Built-in FT-1000D)
XF-455MC	455 kHz CW 600 Hz XTAL Filter (2nd IF Sub Rcvr)
YF-110C	455 kHz CW 500 Hz XTAL Filter (Built-in FT-1000D)
YF-110CN	455 kHz CW 250 Hz XTAL Filter
YH-77STA	Open-Air Stereo Headphones
FIF-232C	CAT System Interface for RS-232C



MD-100A8X

FT-1000MP/DC

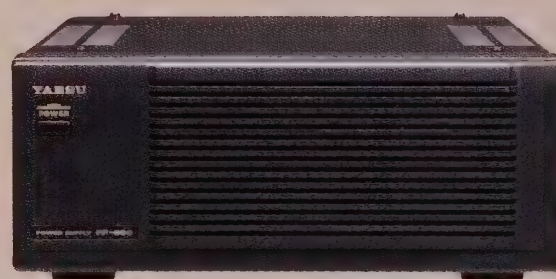
DVS-2	Digital Voice Recording Module
FH-1	Remote Control Keypad
E-767	Interface Cable FT-1000MP to FL-7000 (D400019)
FP-27	Internal Power Supply (FT-1000MP DC Only)
LL-7	Phone Patch Module Unit (SP-8 Speaker Only)
MD-100A8X	Desk-Top Microphone
SP-8	External Speaker w/Audio Filters
TCXO-4	Temperature Compensated XTAL Osc. ± 2.0 ppm
TCXO-6	Temperature Compensated XTAL Osc. ± 0.5 ppm
YF-110CN	455 kHz CW 250 Hz XTAL Filter - 3rd IF (Main Rcvr)
YF-110SN	455 kHz SSB 2.0 kHz XTAL Filter - 3rd IF (Main Rcvr)
YF-114CN	8.2 MHz CW 250 Hz XTAL Filter - 2nd IF (Main Rcvr)
YF-114SN	8.2 MHz SSB 2.0 kHz XTAL Filter - 2nd IF (Main Rcvr)
YF-115C	455 kHz CW 500 Hz Collins™ Mechanical Filters (3rd IF Main Rcvr and 2nd IF Sub Rcvr)
YH-77STA	Open-Air Stereo Headphones
FIF-232C	CAT System Interface for RS-232C



SP-8

FT-900/DC

DVS-2	Digital Voice Recording Module
E-767	Interface Cable FT-990 to FL-7000 (D400019)
FP-25	Internal Power Supply (FT-990DC only)
LL-5	Phone Patch Module Unit (SP-5/6 Speakers only)
MD-100A8X	Desk-Top Microphone
SP-6	External Desk-Top Speaker w/Audio Filters
TCXO-2	Temperature Compensated XTAL Osc. - ± 0.5 ppm
XF-10.9M	10.9 MHz SSB Narrow 2.0 kHz XTAL Filter
XF-109C	10.9 MHz CW 500 Hz XTAL Filter (included in FT-990, Option for FT-990DC)
YF-110CN	455 kHz CW 250 Hz XTAL Filter
YH-77STA	Open-Air Stereo Headphones



FP-800

FT-900/CAT

ATU-2	Internal Antenna Tuner Module
CT-11	Interface Cable FT-900 to FL-7000
CT-26	Modular Jack Adapter
DVS-2	Digital Voice Recording Module
FIF-232C	CAT Interface for RS-232C
FC-800	External Automatic Antenna Tuner
FP-800	20 Amp Matching Heavy Duty Power Supply w/Front Mounted Speaker
LL-5	Phone Patch Module Unit (SP-5/6 Speakers only)
MD-100A8X	Desk-Top Microphone
MMB-20	Quick Release Mobile Mounting Bracket
MMB-62	Remote Front Panel Mounting Bracket (requires YSK-900 Kit)



DVS-2

FT-900/CAT CONTINUED

MODEL NO.	DESCRIPTION
SP-6	External Desk-Top Speaker w/Audio Filters
SP-7	External Mobile Speaker
TCXO-3	Temperature Compensated XTAL Osc. - ± 2.0 ppm
XF-110C	455 kHz CW 500 Hz XTAL Filter
XF-110CN	455 kHz CW 250 Hz XTAL Narrow Filter
XF-110S	455 kHz SSB 2.6 kHz XTAL Filter
XF-115S-01	2.75 kHz SSB Collins™ Mechanical Filter (for units sold prior to 1/1/96)
YH-77STA	Open-Air Stereo Headphones
YSK-900	Remote Mounting Kit w/20 feet of cable & Trunk Mounting Bracket



YH-77STA

FT-840/FT-600

FC-10	Compact External Automatic Antenna Tuner (FT-840)
FC-800	External Automatic Antenna Tuner
FIF-232C	CAT System Interface
FM-747	FM Module Unit
FP-800	20 Amp Matching Heavy Duty Power Supply w/Front Mounted Speaker
MD-100A8X	Desk-top Microphone
SP-6	External Desk-top Speaker w/Audio Filters
SP-7	External Mobile Speaker
SP-8	External Speaker w/Audio Filters
TCXO-4	Temperature Compensated XTAL Osc. - ± 2.0 ppm
YF-112A	6 kHz AM XTAL Filter
YS-112C	455 kHz CW 500 Hz Narrow XTAL Filter
YH-77STA	Open-Air Stereo Headphones



FL-7000

HF MISCELLANEOUS

FRB-757	Relay Box for FT-1000/990/900/840
MH-31B8	Hand Microphone (FT-1000MP)
MH-31ABJ	Hand Microphone (FT-900)
MH-1B8	Hand Microphone (FT-1000/990/840/736)
YA-007 FG	Mobile Fiberglass HF Whip Antenna (3-30 MHz)-150 W P.E.P. (Requires Antenna Tuner)
YA-30	Dipole Broadband HF Antenna (1.6-30 MHz)-150 W P.E.P.)
YH-55	Deluxe Headphones
YS-60	1.8-60 MHz 20/200/2000 W HF SWR Wattmeter
FL-7000	Automatic HF Solid State Linear Amplifier, 500 Watts
FAS-1-4R	Remote Antenna Switch (FL-7000)



SP-767

VHF/UHF ALL MODE TRANSCEIVER

FT-736R

6M/FEX 736	50 MHz Optional Module
220/FEX 736	222 MHz Optional Module
1.2G/FEX 736	1.2 GHz Optional Module
E-736	DC Power Cable
FIF-232C	CAT Interface for RS-232
FTS-8	CTCSS (Encode/Decode) Tone Unit
FVS-1A	Voice Synthesizer
KEYER B	Internal Electronic Keyer
SP-767	External Desk-Top Speaker w/Auto Filters
TV-736	Fast Scan Television (ATV) Mod/Demod (1.2 GHz)
YS-500	140-520 MHz 4/20/200 W VHF/UHF SWR Wattmeter



TV-736

ACCESSORIES & OPTIONS

MODEL NO. DESCRIPTION

FT-2500M/7400H

2500 Mic Cable	Packet Cable (FT-2500M/7400H to TNC-Includes RJ-45 Connector w/Cable)
FRC-6	DTMF Pager Unit (FT-2500M/7400H)
FTS-17A	CTCSS Decode Unit (FT-2500M/7400H)
MH-26A8J	Hand Microphone (FT-2500M/7400H w/RJ-45 Connector)
MMB-48	Mobile Mounting Bracket (FT-2500M/7400H)
T9017910B	DC Power Cable

FT-8500, FT-8000R, FT-5100

ADMS-2	Windows™ PC Programming Software (FT-8500/8000R)
AD-3	VHF/UHF Duplexer for Two-Antenna Operation (FT-8000R)
CT-39	Packet Cable
FS-10	Smart Controller™ Microphone (FT-8500)
FTS-22	CTCSS Dual Decode Unit (FT-8500/8000R)
MEK-2	Microphone Extension Kit-Includes connecting cable (FT-8500/8000R)
MH-39	DTMF Microphone (FT-8500)
MH-36B6J	DTMF Microphone (FT-8000R)
MH-42B6J	Hand Microphone w/1750 Hz Burst Button (FT-8000R)
MH-15D8	DTMF Microphone w/Memory Auto Dialer (FT-5100)
MMB-53	Mobile Mounting Holder for MW-2
MMB-60	Quick Release Mobile Mounting Bracket (FT-8500/8000R)
MMB-62	Remote Front Panel Mounting Bracket (Requires YSK-8500)
MW-2	Remote Control Wireless Microphone (FT-5100)
YSK-8500	Separation Kit w/19 feet of Cable (FT-8500)
T9017910B	DC Power Cable

FT-3000M

DVS-4	Digital Voice Recording Module
FTS-17A	CTCSS Decode Unit
MH-36A6J	DTMF Microphone
MH-42A6J	Hand Microphone
MMB-60	Quick-Release Mobile Bracket
T9017910B	DC Power Cable

FT-290/690/790RII

CSC-19	Soft Vinyl Case
FBA-8	C-Cell Holder
FTS-7A	CTCSS (Encode/Decode) Tone Unit
MMB-31	Mobile Mounting Bracket
NC-26B	Ni-Cd Wall Charger 117 VAC (FBA-8)
T9015610B	DC Power Cable

MOBILES MISCELLANEOUS

MF-1A3 (B)	Boom Microphone (Use with SB-10)
SP-3	Compact External Speaker
SP-4	External Mobile Speaker w/Audio Filters
SP-7	External Mobile Speaker
SB-10	PTT Switch Box (FT-5100 and FT-x90RII Series)
YH-1	Headset with Boom Microphone (FT-x90RII Series)-Requires SB-10



MH-39



FS-10



ADMS-2



SP-7

MODEL NO. DESCRIPTION

FT-10/40/50R

ADMS-1C	Windows™ PC Programming Software
CA-14	Charger Adapter - Set of 2 (for use with NC-50)
CA-15	Charger Adapter for NC-60B/C
CN-2	Antenna Adapter (BNC to Reverse SMA) for FT-10/40R
CN-3	Antenna Adapter (BNC to SMA) for FT-50R
CSC-68	Soft Vinyl Case (FNB-41 or FBA-15)
CSC-69	Soft Vinyl Case (FNB-40)
CT-27	Radio to Radio Cloning Cable
CT-30	Microphone Adapter (2 pin to 1 pin)
E-DC-5B	DC Adapter w/Noise Filter
E-DC-6	DC Adapter, Plug and Wire Only
FBA-15	4 AA Size Battery Case (2.5 Watt)
FNB-40	Ni-Cd 6.0V, 650 mAh Battery - Slim Type (2.5 Watt)
FNB-41	Ni-Cd 9.6V, 600 mAh Battery (5 Watt)
FNB-42	Ni-Cd 9.6V, 1100 mAh Battery (5 Watt)
FTT-10/A06	6 Key Keypad w/CTCSS Enc, 30 Memories (for FT-10/40R)
FTT-10/A16	16 Key DTMF Keypad w/CTCSS Enc, 30 Memories (for FT-10/40R)
FTT-10/A16D	16 Key DTMF Keypad w/CTCSS Enc/Dec, Direct Key Entry and 99 Memories (for FT-10/40R)
FTT-10/A16S	16 Key DTMF Keypad w/CTCSS Enc/Dec, Direct Key Entry, 99 Memories, and DVRS (for FT-10/40R)
FTT-12	16 Key DTMF Keypad w/CTCSS Enc/Dec, Direct Key Entry, 99 Memories, and DVRS (for FT-50R)
FTT-11	16 Key DTMF Keypad w/CTCSS Enc, Direct Key Entry, 99 Memories (for FT-50R)
NC-50	Dual Sequential "Rapid Charger" (Requires CA-14 Charger Adapter)
NC-60B	117 VAC Wall Charger (FNB-40/41)
NC-60C	220-234 VAC Wall Charger (FNB-40/41)
PA-17	Battery Cable Extender
RH-1	Grip'R™ Rubber Case Protector (Black)
RH-1 (R)	Grip'R™ Rubber Case Protector (Orange)
MH-34B4B	Speaker Microphone
MH-37A4B	Mini Earpiece Microphone
VC-23	Headset w/Built-in VOX/PTT



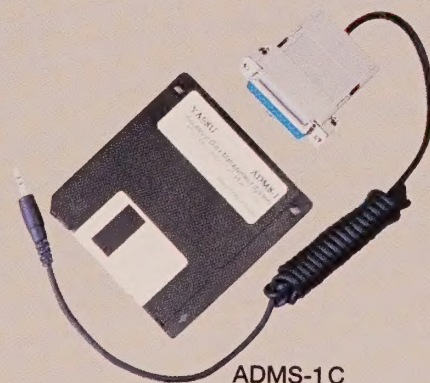
NC-50



FTT-10/A16S



FTT-10/A16D



ADMS-1C

FT-11/41/51R

ADMS-1C	Windows™ PC Programming Software
CA-9	Base Charging Stand (requires for NC-34/38/55)
CA-10	Charger Adapter-Set of 2 (for use with NC-50)
CD-2	Mobile Rapid Charger (for charging use only)
CSC-61	Soft Vinyl Case (FT-11/41 w/FNB-33/35/88 or FBA-14)
CSC-62	Soft Vinyl Case (FT-11/41 w/FNB-31)
CSC-66	Soft Vinyl Case (FT-51R w/FNB-33/35/88 or FBA-14)
CSC-67	Soft Vinyl Case (FT-51R w/FNB-31)
CT-35	Radio to Radio Cloning Cable
E-DC-12	Mobile DC Adapter
FBA-14	4 AA Size Battery Case (1.5 Watt)
FNB-31	Ni-Cd 4.8V, 800 mAh Battery (1.5 Watt)
FNB-33	Ni-Cd 4.8V, 1200 mAh Battery (1.5 Watt)
FNB-35	Ni-Cd 7.2V, 900 mAh Battery (3.5 Watt)
FNB-38	Ni-Cd 9.6V, 600 mAh Battery (5 Watt)
FTS-26	CTCSS Decode Unit (FT-11/41)
MH-12A2B	Speaker/Mic
MH-19A2B	Mini Earpiece Microphone
MH-29A2B	Display Speaker/Microphone (FT-51R)
MH-32A2B	Lapel Speaker Microphone
NC-34B	117 VAC Wall Charger (FNB-33/35)*
NC-34C	220-234 VAC Wall Charger (FNB-33/35)*
NC-38B	117 VAC Wall Charger (FNB-38)*
NC-38C	220-234 VAC Wall Charger (FNB-38)*
NC-50	Dual Sequential "Rapid Charger" (Requires CA-10 Charger Adapter)
NC-55B	117 VAC Wall Charger (FNB-31)
NC-55C	220-234 VAC Wall Charger (FNB-31)
PA-10A	Mobile DC Power Adapter w/Trickle Charger
VC-22	Headset w/Built-in VOX/PTT

*Requires CA-9 Charging Stand

FT-411/911, FT-23/33R

CA-7	Charger Adapter-Set of 2 (for use with NC-50)
CSC-28	Soft Vinyl Case (FT-x3R Series w/FNB-12S)
CSC-35	Soft Vinyl Case (FT-x11 Series w/FNB-17)
CSC-37	Soft Vinyl Case (FT-x11 Series w/FNB-12S/14)
CSC-48	Soft Vinyl Case (FT-x3R Series w/FNB-17)
CSC-49	Soft Vinyl Case (FT-x3R Series w/FTT-4 and FNB-17)
FBA-17	4 AA Size Battery Case for FT-x11 and FT-x3R Series (1.5 Watt)
FNB-12S	Ni-Cd 12V, 600 mAh for FT-x11 and FT-x3R Series (5 Watt)
FNB-14	Ni-Cd 7.2V, 1000 mAh for FT-x11 and FT-x3R Series (1-2.5 Watt)
FNB-17	Ni-Cd 7.2V, 600 mAh for FT-x11 and FT-x3R Series (1-2.5 Watt)
FTS-12	CTCSS Tone Squelch Unit (Encode/Decode) for FT-x3R Series
PTT-4	DTMF Keypad Encode Unit for FT-x3R Series
LCC-25	Leather Case (FT-x11 and FT-x3R Series w/FNB-12S/14/17)
LCC-25TT	Leather Case (FT-x3R Series w/FTT-4 and FNB-12S/14/17)
LCS-2	Swivel Mount
MMB-54	Mobile Mounting Bracket
NC-18B	117 VAC Wall Charger (FNB-12S)
NC-18C	220-234 VAC Wall Charger (FNB-12S)
NC-28B	117 VAC Wall Charger (FNB-17)
NC-28C	220-234 VAC Wall Charger (FNB-17)
NC-34B	117 VAC Wall Charger (FNB-14)
NC-34C	220-234 VAC Wall Charger (FNB-14)
NC-50	Dual Sequential "Rapid Charger" (Requires CA-7 Charger Adapter)
PA-6	Mobile DC Charger Adapter (Use with FNB-14/17 only)

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